

Buket Avci

Lee Kong Chian School of Business

Singapore Management University

50 Stamford Road, 178899 Singapore

Email: buketavci@smu.edu.sg, Tel: +65 6808 5473

Web: <http://business.smu.edu.sg/directory/buket-avci>

Google Scholar: <https://scholar.google.com/citations?user=u8tCLVsAAAAJ>

Professional Experience

Singapore Management University, Lee Kong Chian School of Business

Assistant Professor of Operations Management (Education), Jul 2023 - present

Assistant Professor of Operations Management, August 2014 - Jun 2023

Assistant Professor of Operations Management (ABD), Jul 2013 - Jul 2014

Boğaziçi University, Industrial Engineering Department

Teaching & Research Assistant, 2004 - 2007

Education

INSEAD

PhD. in Management, June 2014

Specialization: Technology and Operations Management

Dissertation: Essays on Operations Management

Co-Advisors: Karan Girotra, Serguei Netessine

INSEAD

MSc. in Management, 2009

Boğaziçi University

MSc. in Industrial Engineering, 2007

Boğaziçi University

BSc. in Industrial Engineering, 2005

Research Interests

Sustainable Operations Management, Agricultural Operations, Behavioral Operations Management

Journal Publications

1. Li B., O. Boyabath, B. Avci. 2023. "Economic and Environmental Implications of Biomass Commercialization in Agricultural Processing," *Management Science*, 69(6), 3561-3577.
2. Li B., O. Boyabath, B. Avci. 2023. "The Impact of Commodity Price Uncertainty on the Economic Value of Waste-to-Energy Conversion in Agricultural Processing," *Foundations and Trends in Technology, Information and Operations Management*, 16 (3-4), 229-249.
3. Avci, B., K. Girotra, S. Netessine. 2015. "Electric Vehicles with a Battery Switching Station: Adoption and Environmental Impact," *Management Science*, 61(4), 772-794.
 - Runner-up of the 2020 INFORMS TIMES Best Paper Award
 - Second Prize in the 2012 POMS College of Supply Chain Management Student Paper Competition
 - Finalist in the 2012 MSOM Student Paper Competition

4. Avcı, B., Z. Loutfi, J. Mihm, E. Belavina, S. Keck. 2014. "Comparison as Incentive: Newsvendor Decisions in a Social Context," *Production and Operations Management*, 23(2), 303-301.

Manuscripts Under Revision

1. Boyabath, O., K. E. Wee, B. Avcı, B. Li, "Farmland Leasing in Agricultural Processing When Processing Rate is Yield Associated," Under revision for 2nd round review (major) at *Production and Operations Management*.

Work in Progress

1. Wastewater Recycling Capacity Investment in Urban Water Systems, with Onur Boyabatlı and Luo Qian, (target journal: Management Science).
2. Optimal Staffing with Endogenous Goals, with Ioana Popescu and Francis de Vericourt, (target journal: Manufacturing & Service Operations Management)

Awards and Distinctions

SMU Most Promising Teacher Award Nominee, 2017, 2016

Dean's Teaching Honor List, Lee Kong Chain School of Business, 2024, 2023, 2022, 2021, 2019, 2017, 2016, 2015

Dean's Impact Award, Singapore Management University, 2017

Runner-up of the 2020 INFORMS TIMES Best Paper Award

Finalist in the 2012 MSOM Student Paper Competition

Second Prize in the 2012 POMS College of Supply Chain Management Student Paper Competition
INSEAD Doctoral Scholarship, 2007-2012

Ranked 1st in the Turkish National University Entrance Exam among over 1.3 million students

Ranked 1st in the graduating class of 2005

IBM Travel Grant for the MSOM Conference, June 2009

TUBITAK National Scholarship Program for MSc Students, 2006-2007

Haci Omer Sabanci Foundation Scholarship, 2000-2005

Invited Talks and Conference Presentations

Economic and Environmental Implications of Biomass Commercialization in Agricultural Processing

Nov 2021: INFORMS Annual Meeting (online)

Nov 2020: INFORMS Annual Meeting (online)

Feb 2019: Early-Career Sustainable Operations Management Workshop, San Diego, CA

Aug 2018: 8th OM Summer Camp, SMU, Singapore

Nov 2018: INFORMS Annual Meeting, Phoenix, TN

Sustainable Sourcing and Capacity Investment in Urban Water Management

Nov 2016: INFORMS Annual Meeting, Nashville, TN

Optimal Staffing with Endogenous Goals

Oct 2015: INFORMS Annual Meeting, Philadelphia, PA

Electric Vehicles with a Battery Switching Station: Adoption and Environmental Impact

Jul 2014: IFORS Meeting, Barcelona, Spain

Oct 2013: INFORMS Annual Meeting, Minnesota, MN

Aug 2013: 3rd OM Summer Camp, SMU, Singapore

Dec 2012: Bilkent University, Ankara, Turkey

Dec 2012: Bogazici University, Istanbul, Turkey

Nov 2012: Singapore Management University, Singapore

Nov 2012: Singapore University of Technology and Design, Singapore

Nov 2012: National University of Singapore, Singapore

Oct 2012: INFORMS Annual Meeting, Phoenix, AZ

Jun 2012: MSOM Sustainable Operations SIG Conference, New York, NY

Apr 2012: POMS Annual Meeting, Chicago, IL

Nov 2011: INFORMS Annual Meeting, Charlotte, NC

Nov 2011: 6th BETA Conference, Enschede, The Netherlands

Nov 2010: INFORMS Annual Meeting, Austin, TX

Supply Chain Coordination: The Case of Asymmetric Information

Jun 2009: MSOM Annual Meeting, Boston, MA

Lagrangian Heuristics for the Capacitated Multi-Facility Location-Allocation Problem

Jul 2007: EURO XXII Conference, Prague, Czech Republic

Teaching

Lee Kong Chian School of Business, Singapore Management University

OPIM 201: Operations Management (Undergraduate Core), 2013 - Now

OPIM 318: Sustainable Operations (Undergraduate Elective), 2017 - Now

OPIM 617: Operations & Supply Chain Management (MiM Core), 2025

OPIM 632: Sustainable Operations (MiM Elective), 2023 - Now

OPIM 702: Foundations of Operations Management (PhD Core), 2016 - Now

MGMT 760: Sustainability (DBA Workshop), 2023

INSEAD

Tutorial Sessions for the MBA Core Course on Operations, 2010 - 2012

Teaching Assistant and Grader for the MBA Elective Course Dynamic Pricing & Revenue Management, 2009

Bogazici University

Tutorial Sessions for Industrial Engineering Undergraduate Courses

System Simulation, Operations Research Courses with Linear, Nonlinear and Stochastic Models

Student Supervision

Thesis Committee Member:

- Luo Qian, PhD in Operations Management at LKCSB. Graduated in 2021.

- Li Bin, PhD in Operations Management at LKCSB. Graduated in 2020.

Service

Member, Academic Advising Committee, 2023 - Now

Member, Adjunct Coordinator Committee, 2023 - Now

Chair, Seminar Committee, Operations Management, 2017 - 2022

Chair, PhD Qualifying Assessment I Committee, Operations Management, 2016 - 2023

Organizer, Summer Camp, Operations Management, 2015 - 2020

Member, Seminar Committee, Operations Management, 2013 - 2017

Member, PhD Committee, Operations Management, 2015 - 2023

Referee for *Management Science*, *Operations Research*, *Manufacturing and Service Operations Management*, *Production and Operations Management*, *Transportation Science*

Referee for MSOM Sustainable Operations SIG, 2014 - 2015